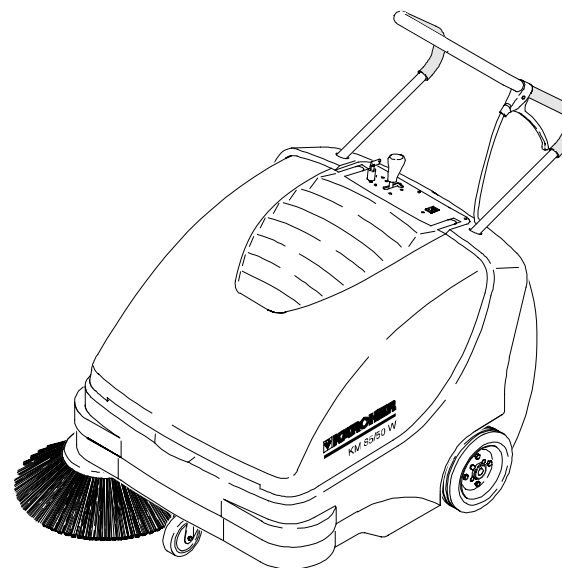
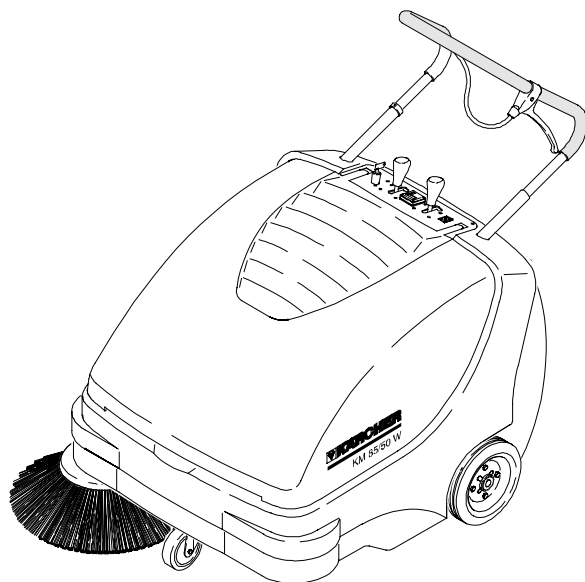


**KM 85/50 W Comfort**  
**KM 85/50 W Classic**  
**KM 85/50 W P Comfort**  
**KM 85/50 W P Classic**



1.351-102.0  
1.351-101.0  
1.351-112.0  
1.351-111.0



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## For your own safety!

### General notes

**It is mandatory to read and observe this prior to using the appliance!**

- Notify your sales outlet if during unpacking you detect damage that has occurred in transit.
- Read the operating instructions of your appliance prior to putting it into operation, especially the safety information.
- The danger and caution signs attached to the appliance give important tips on its safe operation.
- In addition to the instructions in the operating instructions, general safety- and accident prevention-regulations from lawgivers must be followed.

#### KM 85/50 W Comfort and KM 85/50 W P Comfort

- To increase your safety, for work on slopes with a gradient of more than 2 % the accessory kit (ABS) Additional Brake 2.640-301.0 n must be installed.

#### KM 85/50 W Classic and KM 85/50 W P Classic

- When working on downward slopes the permitted gradient is a maximum of 2 %.

### Use

- Prior to utilization the appliance and its working facilities must be checked regarding their proper condition and that they operate safely. It must not be used if its condition is not faultless.
- No modifications permitted on the machine.
- Never absorb explosive liquids, inflammable gases or undiluted acids and solvents! This includes petrol, paint thinner or fuel oil, which can form explosive fumes due to the swirling suction air, in addition acetone, undiluted acids and solvents, since they corrode the materials used for the appliance.
- Do not sweep up/absorb burning or smouldering objects.

**Only if expressly marked is this appliance suitable for sucking up health-hazardous dusts.**

Comply with notices concerning safety regulations given in the operating instructions.

- Suitable only for the surfaces listed in the operating instructions.
- The appliance may be used on only the areas cleared for its use by the factory owner or a person authorized by him.
- Keep clear of the danger area. Its operation in explosion hazardous locations is prohibited.
- The following applies generally: Keep highly inflammable materials away from the machine (explosion/fire hazard).

### Operation

- The rules, regulations and stipulations applying to motor vehicles must always be observed.
- The operator must use the unit in accordance with its intended purpose. She must adapt her mode of operation to the local conditions and when working with the appliance keep a look out for third parties, especially children.
- The unit can reverse and drive forwards at the same speed. Therefore, take care when pulling back push handle for reversing. (Applies only to KM 85/50 W Comfort and KM 85/50 W P Comfort)
- The appliance may only be used by persons instructed in its handling or who have proved their capability of operating it and who are expressly authorized to use it.
- The unit must not be operated by children and youths.
- To prevent unauthorized utilization of appliances provided with an ignition key the ignition key must be removed.
- The appliance must never be left unattended as long as the motor is running. It is not permitted for the operator to leave the unit unless the engine is turned off, the unit is secured against inadvertent movement and, if applicable, the parking brake is applied and the ignition key is removed.
- On slopes the angle of inclination to the side and in the direction of motion must not exceed the value given in the operating instructions.

### Transport

- The motor must be turned off when the appliance is transported.
- To lock the parking brake.
- Secure the machine with guy belts, ropes or chains.
- Immobilise the machine at the wheels with chocks.

### Maintenance

- Repairs may only be carried out by approved customer service centres or by technical personnel trained in this field which are familiar with all relevant safety regulations.
- Industrially used appliances in changing locations are subject to the safety inspection according to VDE 0701.
- The battery plug and the battery itself of battery-powered units must be disconnected for work on the electrical installation.
- Prior to cleaning and performing maintenance on the unit or replacing parts or resetting it to another operation, the unit is to be switched off and, if applicable, the ignition key removed.
- Unless expressly permitted the unit may not be cleaned with hose or high-pressure water jets. (Danger of short circuits or other impairments).

### Accessories and spare parts

- Only accessories and spare parts cleared by the manufacturer may be used. Genuine accessories and spare parts guarantee that the unit can be operated safely and trouble-free.

- Use only the brushes provided with the delivered unit or those specified in the operating instructions. Using other brushes can impair safety.

### Battery driven appliances

- Warranty is valid only when you use the batteries and charging units recommended by Kärcher.
- It is mandatory to comply with the battery manufacturer's operating instructions. Heed the legislative recommendations on handling of batteries.
- Never leave a battery in a run down condition but recharge it as soon as possible.
- Keep the batteries always clean and dry to prevent leaking currents. Protect it from contamination, for example, by metallic dust.
- Do not place tools or similar objects on the battery. Hazard of short circuits and explosion.
- Do not under any circumstances work with an open flame, create sparks or smoke near a battery or in a battery recharging room. Explosion hazard.
- Do not touch hot parts, for example, the driving engine (hazard of burns).
- Take care when handling accumulator acid. Heed the relevant safety regulations!
- Used batteries are to be disposed of in an environmentally friendly way, according to EC-guideline 91/157 EWG.

**Risk of overturning on too high gradients!****Danger!**

The machine could topple over when driving and turning on slopes.

**KM 85/50 W Comfort and KM 85/50 W P Comfort**

- Drive only on slopes up to 15 % in the travelling direction
- Drive only on slopes up to 15 % transverse to the travelling direction.

**KM 85/50 W Classic and KM 85/50 W P Classic**

- Drive only on slopes up to 2 % in the travelling direction
- Drive only on slopes up to 2 % transverse to the travelling direction.

**For our environment****Caution, danger to the environment from used batteries!**

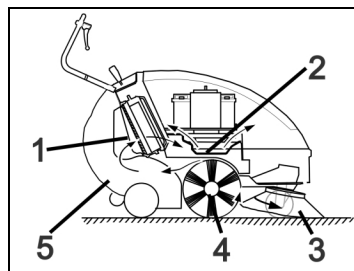
Do not dispose of exhausted batteries as ordinary household garbage. Ensure environmentally compatible disposal.

**Intended use**

- This sweeper is intended for sweeping inside- and outside surfaces.
- It complies with the "L" application category for non-health hazardous dusts.
- It is not intended for use on public traffic routes

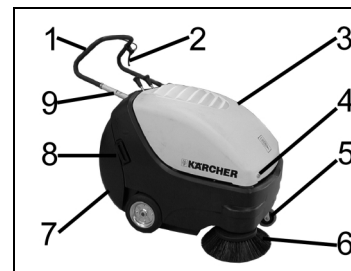
**Suitable surfacings:**

- Asphalt
- Industrial floor
- Screed
- Concrete

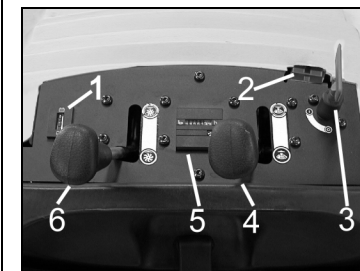
**Function description - sweeping machine**

The KM 85/50 W and the KM 85/50 W P operate according to the throw-over principle.

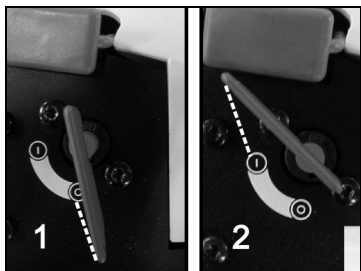
- The side brush (3) cleans corners and edges of the sweeping surface and transports the dirt in the path of the main brush.
- The rotating main brush (4) transports the dirt directly into the debris container (5).
- The dust swirled up in the container is separated by way of the dust filter (1) and the filtered, clean air removed by the suction turbine (2).

**Machine components**

1. Push handle
2. Lever for coarse-dirt flap
3. Unit cover
4. Unit cover's lock
5. Swivel caster with parking brake
6. Side brush
7. Debris container with transport rollers
8. Filter shaker for the dust filter
9. Push handle lock (Applies only to KM 85/50 W Comfort and KM 85/50 W P Comfort)

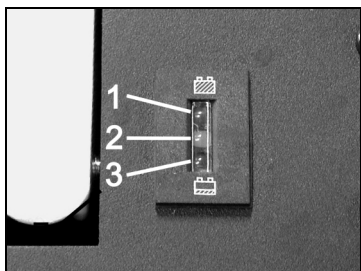


1. Battery charger's indicator LED
2. Battery charge plug (Does not apply to KM 85/50 W P Comfort, for KM 85/50 W Classic and KM 85/50 W P Classic it is on the reverse of the instrument panel)
3. Master switch with key
4. Raise / lower side brushes
5. Operating hour counter (Applies only to KM 85/50 W Comfort and KM 85/50 W P Comfort)
6. Raising/lowering main brush (Applies only to KM 85/50 W Comfort and KM 85/50 W P Comfort)



Master switch with key  
1. "0" setting – engine OFF

2. Position "I" – engine ON



Battery charger's indicator LED

1. green  
Battery is charged

2. yellow  
Remaining operating time  
approx. 5-10 min.

3. red  
— Machine is switched off  
➤ Battery must be recharged

## Before first operating

### Unloading instructions

- The machine was secured on a pallet with stretch belts or ropes for safe transport. Proceed as follows when unloading:
- Cut the plastic packing tape and remove the film
- Knock away the blocks securing the wheels and lift off the machine from the pallet



### **Warning!**

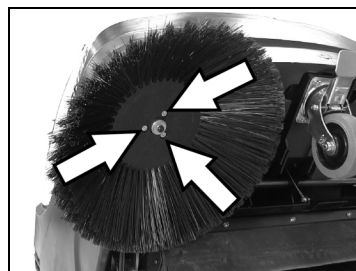
Do not use a fork lifter for unloading; the machine can be damaged by it.

## Side broom installation



### **Warning!**

- Remove the debris container prior to tilting the sweeper (see the section on "Emptying the debris container"). For KM 85/50 W Comfort and KM 85/50 W P Comfort it is additionally necessary to release the push handle lock!
- Tilt the machine back



- Push side brush onto shaft
- Fasten with screws (3 pieces)
- Tilt the machine back upright

## Before every operation

### General notes

- Stand sweeper on a flat surface
- Shut-off the engine
- Set parking brakes on the front of the swivel caster
- Turn the push handle lock clockwise
- The lock is engaged (Applies only to KM 85/50 W Comfort and KM 85/50 W P Comfort)

### Testing and maintenance work

- Check battery charge status at the battery charger indicator.
- Check the side brush.
- Check the sweep roller. \*
- Clean filter. \*\*
- Empty the swept material container. \*\*

\* See chapter on maintenance work

\*\* See chapter on shutting off the machine

## Commissioning

### Note:

— Initial operation permissible only if the unit's cover is closed!

## Start machine



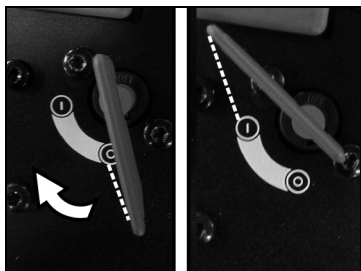
- Release parking brake



### To lock push handle (idling)

(Applies only to KM 85/50 W Comfort and KM 85/50 W P Comfort)

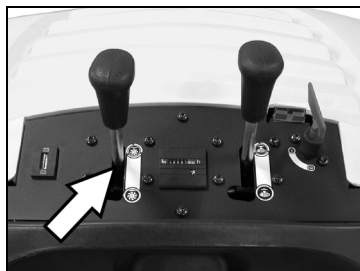
- Turn push handle lock clockwise; lock is interlocked
- The unit can be moved manually



- Turn master switch clockwise to position "I"

**Note:**

- The sweep roller and side broom rotate



**Lower main brush**

(Applies only to KM 85/50 W Comfort and KM 85/50 W P Comfort)

- Release lever lock

**Run machine**

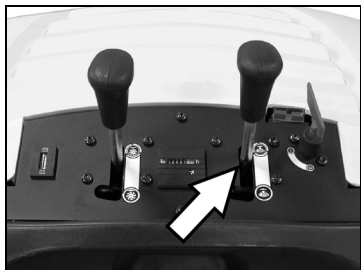
**KM 85/50 W Comfort and KM 85/50 W P Comfort**



**Danger!**

The unit can reverse and drive forwards at the same speed. Therefore, take care when pulling back push handle for reversing.

**Sweeping operation**



**Lower side brush**

- Release lever lock



- Turn push handle lock anticlockwise; the lock is released
- Press push handle forward; drive forward
- Pull push handle back; reverse.

**KM 85/50 W Classic and KM 85/50 W P Classic**

- Press push handle forward; drive forward

**Usage instructions**

**Safety instructions when sweeping**



**Warning!**

Never sweep up packing straps, wires or the like as this could damage the sweeping mechanism.



**Danger!**

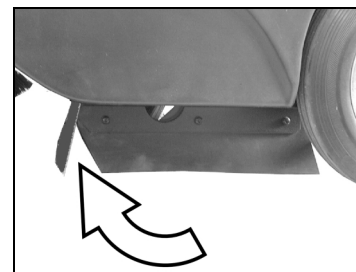
When the coarse-dirt flap is open, the main brush can hurl stones or stone chips forwards. Make sure that nobody, no animals or objects are endangered.

**Note:**

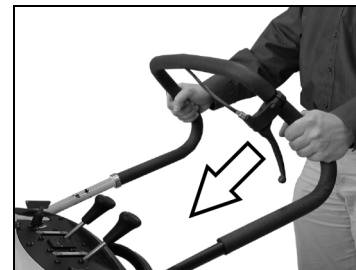
The coarse-dirt flap must be briefly raised for sweeping up largish objects up to a height of 50 mm, for example, drinks cans.



- Raise coarse-dirt flap



Lifted coarse-dirt flap



- Let down the coarse-dirt flap

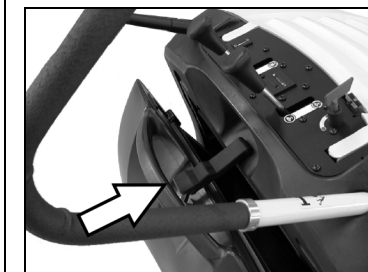
**Note:**

An optimal cleaning effect can be achieved only when the coarse-dirt flap is completely lowered

**Sweeping dry ground**

- For optimum cleaning effect, match the driving speed to suit the actual conditions.
- Regularly clean-down the filter and empty the swept material container during operation.

**Sweeping damp or wet ground**



- Open latch of debris container, leave latch engaged
- Debris container is raised approx. 8 cm.

**Note:**

The dust filter is protected from moisture.

## Driving over obstacles

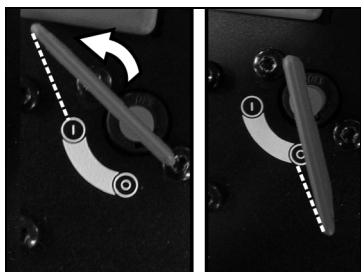
### Fixed obstacles of up to 30 mm in height

- Slowly and carefully drive over them in the forward direction

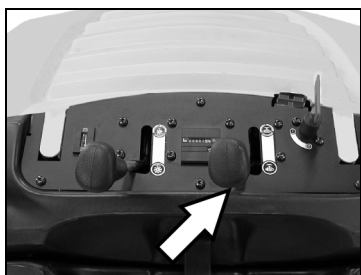
### Fixed obstacles over 30 mm in height

- Drive the unit over a ramp.

## Stop machine



- Turn master switch counterclockwise to position "0"
- Turn the key beyond its "0" position and withdraw it



- Raise the side broom



- Raise the sweep roller (Applies only to KM 85/50 W Comfort and KM 85/50 W P Comfort)



### **Warning!**

(Applies only to KM 85/50 W Comfort and KM 85/50 W P Comfort)  
For shut off the side brushes and the main brush must always be raised (deformation hazard of main brush or side brushes).



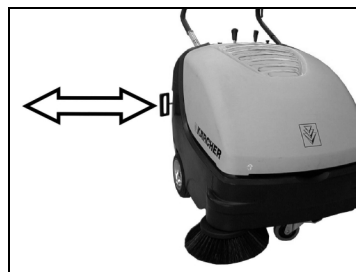
### **Warning!**

(Applies only to KM 85/50 W Classic and KM 85/50 W P Classic)  
For parking, the side brush must always be raised (otherwise danger of distorting it).



- Lock the hand brake

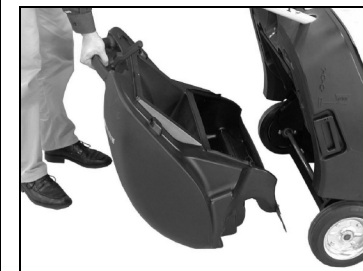
## Clean filter



- Move the handle of the filter clean-down device to and fro several times

## Empty the swept material container

- De-dust the filter first before opening emptying the debris container.  
(See chapter on de-dusting filter)



- Pull out debris container.
- Empty the swept material container.
- Push-in the swept material container.
- Engage latch at debris container
- Close latch

### **Note:**

The debris container is provided with transport rollers

## Cleaning and maintenance

- Stand sweeper on a flat surface
- Lock the hand brake

## Internal cleaning



### **Danger!**

*Wear dust mask!*

*Wear safety goggles!*

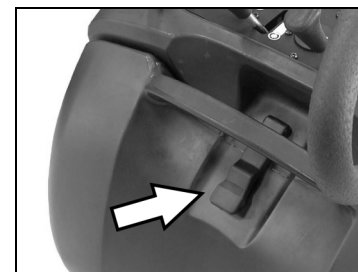
- Blow-out with compressed air
- Clean with a rag

## External cleaning

Clean with a moist rag.

### **Note:**

*Do not use aggressive cleaning agents!*



- Release latch



- Unhinge latch



## Decommissioning

Please observe the following points when the machine will not be used for a lengthy period:

1.
  - Garage the machine in a sheltered and dry storage place
  - Stand sweeper on a flat surface
  - Remove the master switch key
  - Lock the hand brake
  - Safeguard the sweeping machine from rolling away
  - Lock push handle (Applies only to KM 85/50 W Comfort and KM 85/50 W P Comfort)
2.
  - Raise main brush (Applies only to KM 85/50 W Comfort and KM 85/50 W P Comfort)
  - Raise the side broom
3.
  - Clean inside and outside of sweeper
4.
  - Disconnect the batteries
  - Recharge the battery at intervals of approx. 2 months

## Transport

### Transport instructions



#### **Warning!**

When it is transported the machine must be secured against dislocation

- Lock the hand brake
- Disconnect the batteries
- Secure the machine with stretch belts or ropes
- Secure the machine with wedges on the wheels
- Lock push handle (Applies only to KM 85/50 W Comfort and KM 85/50 W P Comfort)



Fastening areas

1. over the push handle
2. beneath the unit's cover

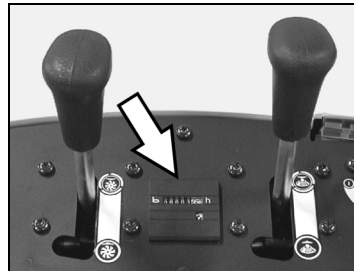
#### **Note:**

Observe markings for fastening areas on base frame! (chain symbols)

## Maintenance intervals

### Elapsed-time meter

(Applies only to KM 85/50 W Comfort and KM 85/50 W P Comfort)



Elapsed-time meter indicates maintenance interval times.

### Maintenance by the customer

#### Daily maintenance

- Check roller and side brush for wear and trapped straps
- Check the function of all operating controls

#### Maintenance every 50 operating hours

- Check tension, wear and operation of traction belts and drive chain
- Check freedom of movement of Bowden cables and moving parts
- Check sealing strips at dust filter and operation of filter shaker
- Check setting and wear of sealing strips in sweeping area
- Check sweeping pattern and operation of main brush and side brush

- Clean and check dust filter, replace, if necessary
- Check roller and side brush for wear and trapped straps
- Check operation of all operating devices and indicator lights

#### **Note:**

Where maintenance is undertaken by the customer, all service and maintenance work must be carried out by a qualified employee. A Kärcher specialist dealer can be consulted whenever support is necessary.

### Maintenance by the customer service department

(Comply with service manual)

#### Maintenance after the first month or 5 operating hours

First inspection

#### Maintenance every 50 operating hours

#### Maintenance every 100 operating hours or half-yearly

#### Maintenance every 500 hours or yearly

#### **Note:**

To safeguard warranty rights, during the warranty period all service and maintenance work must be performed by an authorised Kärcher after sales service.

## Maintenance tasks

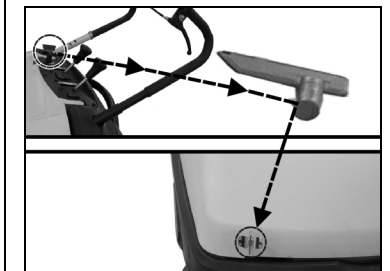
### Preparations

- Stand sweeper on a flat surface
- Lock the hand brake
- Lock push handle (Applies only to KM 85/50 W Comfort and KM 85/50 W P Comfort)

### Open/close unit cover

#### **Note:**

- The unit cover is lockable and can be opened and locked only with the master switch key.
- The key cannot be removed unless the unit cover is properly locked.



- Remove the master switch key
- Insert key in lock of the unit cover



- Turn key by 180°
- Open unit cover



- Safeguard the unit cover from shutting with the cover support during work on the unit

#### When finished:

- Lock the unit's cover with the master switch key

## Safety notes



### **Danger!**

The engine takes approx. 3...4 s to run down after being shut off. It is imperative to keep away from the area of the drive unit during this period!

#### Note:

- Comply with the operating instructions of the battery charger's manufacturer
- Work on batteries is permitted only after instruction by trained personnel
- Observe the safety instructions of the battery manufacturer.
- Warranty is valid only when using the batteries and charging units stipulated by Kärcher.



### **Danger!**

#### **Danger of burns!**

- Allow the machine to adequately cool down prior to all maintenance and repair work
- Do not touch hot parts such as the driving engine.



### **Danger!**

- Wear safety goggles and protective clothing
- Observe regulations for the prevention of accidents as well as DIN VDE 0510, VDE 0105 T.1



### **Danger!**

#### **Risk of fire and explosion!**

- Smoking prohibited
- No naked flames, glowing embers or sparks in the vicinity of batteries
- Do not place any objects or tools on the battery because voltage is always present between the battery poles
- Areas in which batteries are charged must be well ventilated, as highly explosive gas forms during charging

#### **Corrosive burn hazard with wet batteries!**

- Rinse splashes of acid from eyes or off the skin generously with clean water
- Then consult a doctor immediately
- Wash contaminated clothing with water



- Old batteries with this symbol are reusable commodities and must therefore be returned for recycling
- Used batteries not appropriately recycled must be disposed of as hazardous waste in compliance with all regulations

## Install battery

### **KM 85/50 W Comfort and KM 85/50 W Classic**

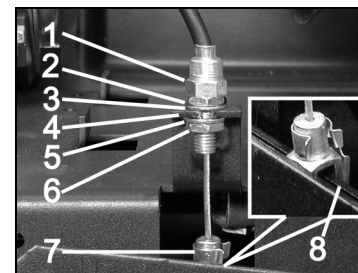
#### Note:

See accessories for recommended battery and battery charger.

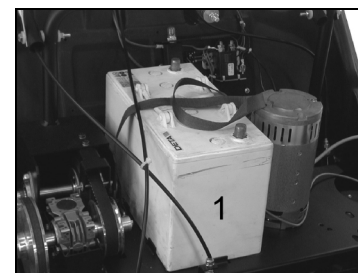


### **Warning!**

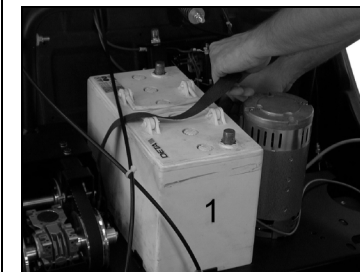
To prevent damage to the bowden cable, release it from the retaining plate.



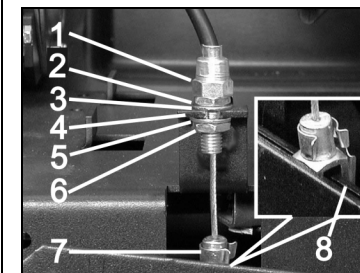
- Pull the pin out of fork head (7) and lever (8)
- Take out pin from fork head (7)
- Unscrew locking nut (6)
- Demount adjusting nut (1) from retaining plate (4)



- Place the battery (1) on the engine cradle

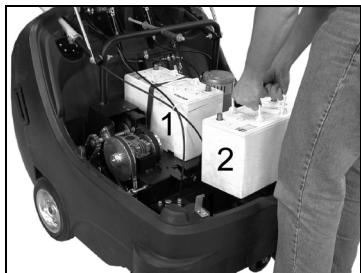


- Secure the battery (1) with a battery clamping band



#### **Reconnect bowden cable to retaining plate and adjust it, if necessary**

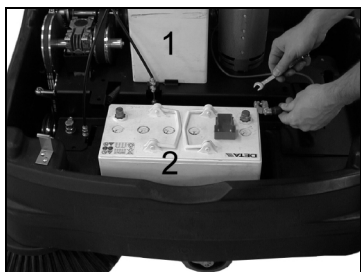
- Hinge adjusting nut (1) in retaining plate (4)
- Tighten locking nut (6) using flat washers (3 and 5) to locking nut (2)
- Position fork head (7) to lever (8)
- Push pin through fork head (7) and lever (8) and secure it



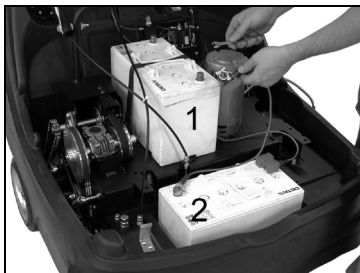
- Insert battery (2) into the battery container

**Note:**

When using batteries with a liquid electrolyte coat the battery terminals adequately with terminal grease to protect them from corrosion!



- Screw positive post wire to battery (2)



- Screw negative post wire of battery (2) to positive post of battery (1)



- Screw negative post wire to battery (1)

## Charge the battery

### KM 85/50 W Comfort

- Switch the machine off



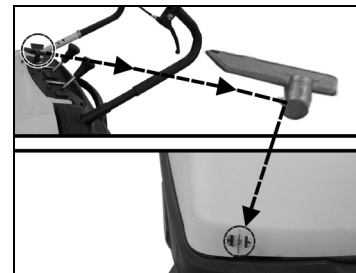
**Danger!**

- Always heed safety precautions for handling batteries!
- Strictly comply with the operating instructions of the battery charger's manufacturer



- Lift off cap of battery's charging socket
- Connect charger's charging plug
- Plug in power plug and, if necessary, switch on battery charger

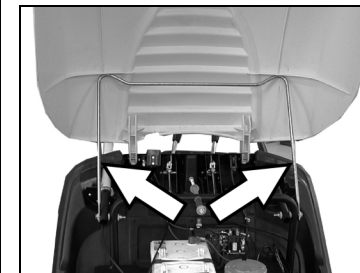
### KM 85/50 W P Comfort



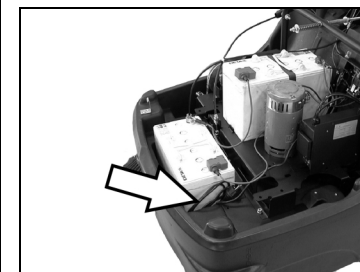
- Remove the master switch key
- Insert key in lock of unit cover



- Turn key by 180°
- Open unit cover

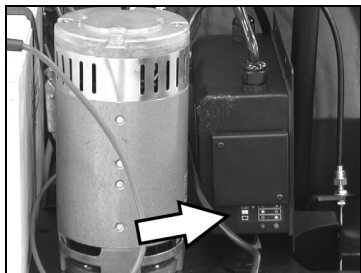


- Safeguard the unit cover from shutting with the cover support during work on the unit



- Plug in power plug of the integrated battery charger into the plug-socket

## State of battery charge indicator

**Yellow**

Battery is charging

**Green**

Battery is charged

**Flashing yellow**

Fault

- Notify the Kärcher service station

**When finished:**

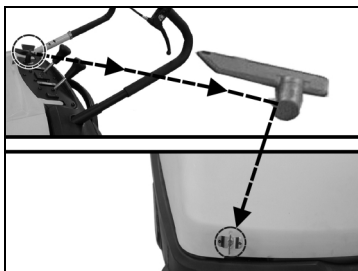
- Lock the unit's cover with the master switch key

**KM 85/50 W Classic and  
KM 85/50 W P Classic**

- Switch the machine off

**Danger!**

- Always heed safety precautions for handling batteries!
- Strictly comply with the operating instructions of the battery charger's manufacturer



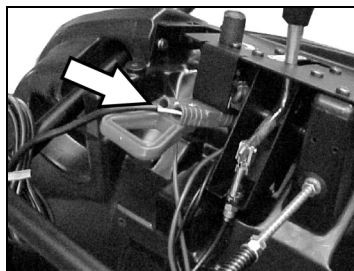
- Remove the master switch key
- Insert key in lock of unit cover



- Turn key by 180°
- Open unit cover



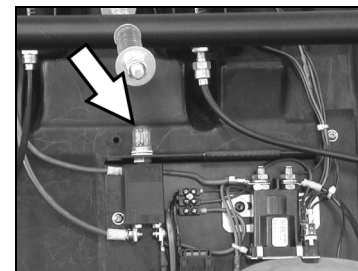
- Safeguard the unit cover from shutting with the cover support during work on the unit



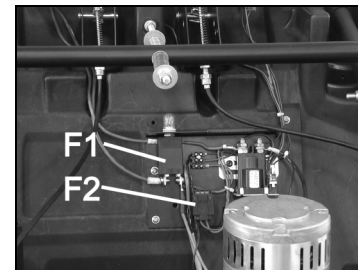
- Connect charger's charging plug
- Plug in power plug and, if necessary, switch on battery charger

**When finished:**

- Lock the unit's cover with the master switch key

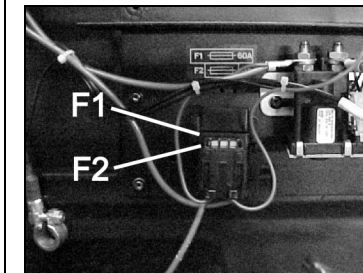
**Fuses****KM 85/50 W Comfort and  
KM 85/50 W P Comfort****Reset the safety cutout**

- Press the button



Load circuit F1 fuse  
Automatic cutout (50 A)

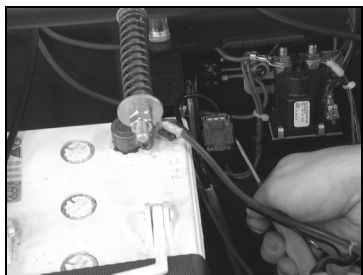
Control circuit F2 fuse  
Fuse (3 A)

**KM 85/50 W Classic and  
KM 85/50 W P Classic**

Load circuit F1 fuse  
Fuse (60 A)

Control circuit F2 fuse  
Fuse (3 A)

## Replacing the fuse



- Remove cover using a screwdriver
- Replacing the fuse
- Replace cover

### Note:

The automatic cutout must be depressed.  
(Applies only to KM 85/50 W Comfort and KM 85/50 W P Comfort)

## Check the sweep roller

- Lock the hand brake
- Remove the swept material container



- Remove tapes and string from the sweep roller
- Insert the swept material container

## Replace the sweep roller

Replacement is necessary when the main brush cannot be readjusted any more and sweeping efficiency obviously deteriorates due to worn bristles.

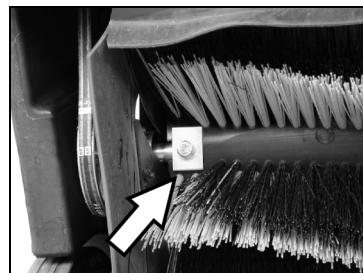
- Release push handle lock by turning it counterclockwise (Applies only to KM 85/50 W Comfort and KM 85/50 W P Comfort)



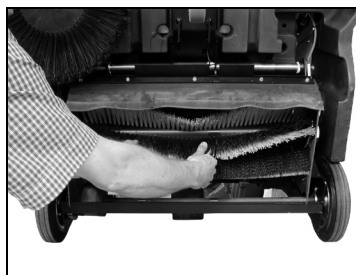
### Danger!

- Remove the debris container prior to tilting the sweeper (see the section on "Emptying the debris container"). For KM 85/50 W Comfort and KM 85/50 W P Comfort it is additionally necessary to release the push handle lock!

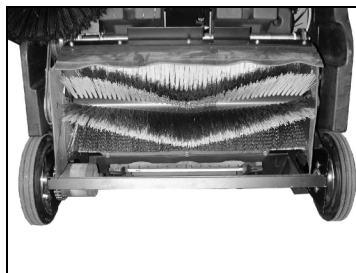
- Tilt the machine back



- Unscrew the left and right fastening screws



- Remove main brush downwards



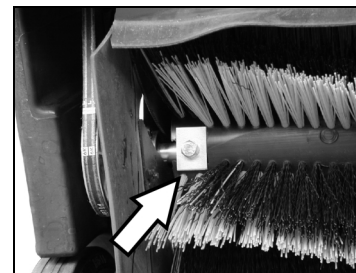
- Pay attention to the position of the bristle set when installing the new main brush!

### Note:

The bristle pile is structured to an arrow which must point towards the rear wheels.



- Insert new main brush and fasten

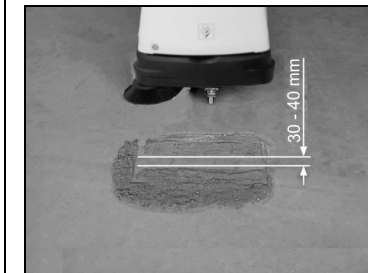


- Make sure that the position of the rectangular clamping plate is proper!
- It must overlap the main brush at the top and bottom

- Insert the swept material container

## Checking and adjusting sweeping area of the sweeping roller

- Cover a level surface evenly with dust
- Raise the sweeping machine on the front and put it on the prepared surface
- Lock the hand brake
- Run the main brush for approx. 15-30 s
- Raise the sweeping machine on the front and move it to the side



The form of the sweeping pattern forms a regular rectangle, that is between 30 - 40 mm wide.

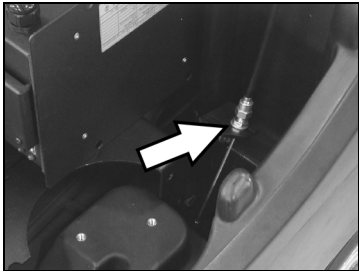
### Note:

If the sweeping pattern is uneven it can be corrected by readjusting the sweeping pattern width!

### Setting the sweeping pattern width for KM 85/50 W Comfort and KM 85/50 W P Comfort

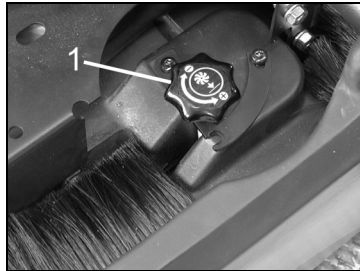
#### Note:

The bowden cable must be readjusted if the sweeping pattern is insufficient and the bowden cable is tight when the main brush is in its lowered position.



- Set sweeping pattern at the bowden cable
- Check the sweep mirror again

### Setting the sweeping pattern width for KM 85/50 W Classic and KM 85/50 W P Classic

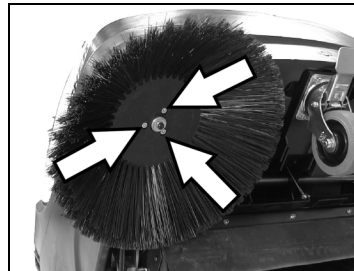


- Turn the rotary knob(1)
  - Turning it counterclockwise: the sweeping pattern is increased
  - Turning it clockwise: the sweeping pattern is reduced
- Check the sweep mirror again

### Replacing the side broom

Replacing it is necessary when the sweeping effect visibly deteriorates due to wear of the bristles.

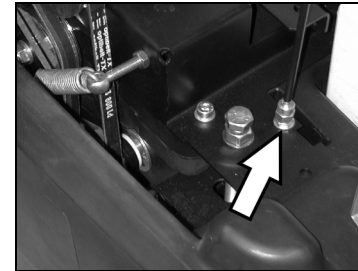
- Unlock push handle lock by turning it anticlockwise
- Remove the debris container prior to tilting the sweeper (see the section on "Emptying the debris container"). For KM 85/50 W Comfort and KM 85/50 W P Comfort it is additionally necessary to release the push handle lock!
- Tilt the machine back



- Undo screws (3 pieces) at underside of the side brush
- Take-off the side broom
- Slide new side brush onto shaft
- Fasten with screws (3 pieces)
- Tilt the machine back upright

### Adjusting lowering of side brush

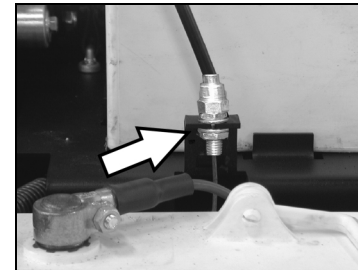
Readjustment is necessary when the sweeping efficiency of the side brush deteriorates due to worn bristles.



- Unscrew the locking nut
- Readjust the setscrew
- Tighten the locking nut

### Adjusting raising of coarse-dirt flap

Readjustment is necessary when it is not possible to sufficiently raise or lower the coarse-dirt flap.



- Unscrew locking nut
- Readjust the setscrew
- Tighten locking nuts

### Adjusting and replacing sealing strips

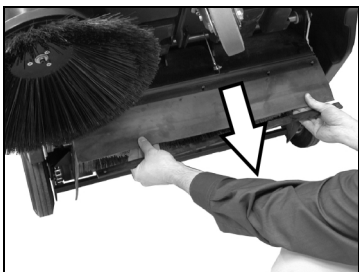
When the sweeping effect diminishes due to wear of the sealing strips they must be readjusted or replaced

- Unlock push handle lock by turning it anticlockwise
- Remove the debris container prior to tilting the sweeper (see the section on "Emptying the debris container"). For KM 85/50 W Comfort and KM 85/50 W P Comfort it is additionally necessary to release the push handle lock!
- Tilt the machine back

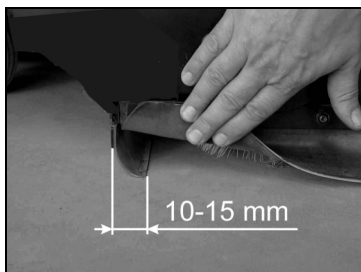


#### Front sealing strip

- Loosen the fastening screws of the sealing strip



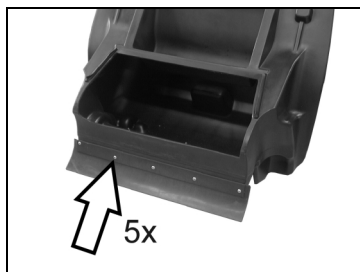
- Readjust the sealing strip downwards by relocating it in the elongated hole
- Tighten the fastening screws of the sealing strip
- Set the vacuum sweeper upright and push it slightly forwards



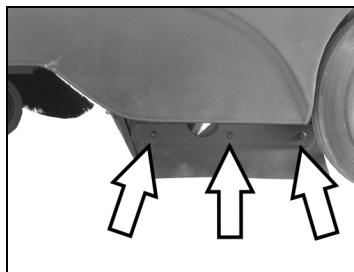
- The clearance of the front sealing strip to the floor must be set so that its whole width folds back with a lag of 10 - 15 mm
- Repeat the adjustment as required

**Note:**

- The sealing strip must be replaced if, due to being too worn, the clearance of the front sealing strip to the floor can no longer be adjusted
- Unscrew the fastening screws and replace the whole sealing strip

**Rear sealing strip**

- Remove the swept material container
- Undo screws of sealing strip at the debris container
- Replace sealing strip
- Tighten screws of sealing strip

**Side sealing strips**

- Loosen the fastening of the sealing strip
- Replace sealing strip
- To adjust clearance to floor push a 1 - 2 mm thick spacer under it
- Align the sealing strip
- Tighten the fastenings of the sealing strip

**Replace the dust filter**

- Empty and remove debris container prior to starting to replace the dust filter
- Wear a dust protection mask when working on the filter system
- Observe the safety precautions for handling fine dust
- Lock the hand brake



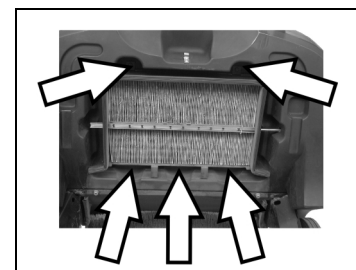
- Remove frame
- Replace the dust filter

**Note:**

Make sure when mounting the new filter that the lamella are not damaged



- Remove safety cotter pin of the shaker rod
- Pull out rod.



- Loosen fastening screws.

## Accessories

**Side brush 6.905-626**  
Provided with standard bristles for indoor and outdoor surfaces.

**Soft side broom 6.906-132**  
For fine dust on indoor surfaces, resistant to moisture.

**Hard side broom 6.905-625**  
For removing stubborn external dirt, damp-proof.

**profi main brush 6.906-508**  
**KM 85/50 W Comfort and KM 85/50 W P Comfort**  
For professional applications, especially wear-resistant.

**Standard main brush 6.906-509**  
**KM 85/50 W Classic and KM 85/50 W P Classic**  
Wearproof and wetproof. Universal bristles for indoor and outdoor cleaning.

**Dust filter 5.731-585**  
Wetproof, washable. Filter efficiency > 99,9 %, corresponds to category C of ZH 1/487 of BIA.

### Battery (recommended)

**KM 85/50 W P Comfort 6.654-141**  
100 Ah, maintenance-free

**KM 85/50 W Comfort 6.654-093**  
75 Ah, maintenance-free

**KM 85/50 W Classic and KM 85/50 W P Classic 6.654-048**  
80Ah, low-maintenance

**Battery charger KM 85/50 W P Comfort 6.654-140**  
24 V

**KM 85/50 W Comfort 6.654-102**  
24 V

**KM 85/50 W P Classic 6.654-067**  
24 V

## Fault instructions

**Machine will not start**

- Charge the battery
- Check fuses, if necessary, depress automatic cutout or replace affected fuse
- Notify the Kärcher service station

**Motor running but machine not moving**

- Check belts and chain
- Release push handle lock (Applies only to KM 85/50 W Comfort and KM 85/50 W P Comfort)
- Notify the Kärcher service station

**Machine remains stationary on inclines**

- Select flatter route
- Notify the Kärcher service station

**Machine not sweeping properly**

- Check the main brush and the side brushes
- Check belt for tension and operation; replace, if necessary
- Re-adjust main brush
- Replace the sweep roller
- Notify the Kärcher service station

**Machine making dust**

- De-dust or replace the dust filter
- Empty debris container
- Adjust or replace the sealing strip
- Replace seal at debris container and main brush box

**Poor sweeping around the edges**

- Readjust lowering of the side brush
- Replacing the side broom
- Notify the Kärcher service station

**Raising the side brush does not function**

- Check the Bowden cable of the raising mechanism
- Notify the Kärcher service station

**Yellow LED of battery charger flashes**  
(Applies only to KM 85/50 W P Comfort and KM 85/50 W P Classic)

- see battery charger's operating instructions
- Notify the Kärcher service station

## Technical data

### Unit data

**Length x width x height**  
1355 x 910 x 1155 mm

**Weight**  
1.351-101 /-102  
115 kg

1.351-111  
175 kg

1.351-112  
195 kg

**Sweeping speed**  
4,5 km/h

**KM 85/50 W Comfort and KM 85/50 W P Comfort**  
**Climbing capacity, max.**  
15% with the additional brake 2.640-301.0  
approved up to a max. of 2% without the additional brake

**KM 85/50 W Classic and KM 85/50 W P Classic**  
**Climbing ability limited to max. 2 %**

**Main brush diameter**  
250 mm

**Side brush diameter**  
410 mm

**Area performance**  
3825 m²/h

**Maximum operating time per battery charge**  
2,7 h

**Working width without side brush**  
610 mm

**Working width with side brush**  
850 mm

**Debris container volume**  
50 litres

**Degree of protection**  
IPX 3 drip-proof

## Engine

**Type**  
Permanent magnet d.c. motor

**Voltage**  
24 V

**Rated speed**  
2600 1/min

**Rated power**  
750 W

**Battery capacity**  
1.351-111  
2 x 12 V, 80 Ah, low-maintenance

1.351-112  
2 x 12 V, 100 Ah, low-maintenance

## Filter and suction system

**Dust filter filtering surface**  
2,3 m²



**EC conformity declaration**

We hereby declare that the machine specified below as the marketed design, the machine specified below complies with the relevant fundamental safety and health requirements of the EC directives listed below. Modification of the machine without our approval invalidates this declaration.

Product: Sweeper

Type: 1.351-xxx

**Relevant EC directives**

EC machine directive (98/37/EC)  
EC directive on electromagnetic compatibility (89/336/EEC) amended by 91/263/EEC, 92/31/EEC, 93/68/EEC  
EC guideline on noise emissions (2000/14/EU)

**Applied harmonised standards**

DIN EN 60 335 – 1  
DIN EN 60 335 – 2 - 29  
DIN EN 60 335 – 2 - 72  
DIN EN 55 014 – 1: 2000 + A1: 2001  
DIN EN 55 014 – 2: 1997  
DIN EN 61 000 – 3 – 2: 2000  
DIN EN 61 000 – 3 – 3: 1995 + A1: 2001

**Applied national standards**

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**Applied conformity valuation method**

Appendix V

Measured sound pressure level:  
82 dB(A)

Guaranteed sound pressure level:  
83 dB(A)

Internal measures ensure that the in series produced units always comply with the requirements of current EC directives and applied standards. The signatories act for and in authority of management.


5.957-709 (08/02)

Alfred Kärcher Limited Partnership.  
Registered office: Winnenden.  
Registration court: Waiblingen, HRA 169.

Personally liable partner. Kärcher Reinigungstechnik GmbH.  
Registered office Winnenden, 2404 Waiblingen Company Register, HRB

Managing directors:  
Dr. Bernhard Graf, Hartmut Jenner, Georg Metz

Alfred Kärcher GmbH & Co. KG  
Cleaning Systems  
Alfred-Kärcher-Strasse 28-40  
P.O.Box 160  
D-71349 Winnenden  
Phone: ++49 7195 14-0  
Fax :++49 7195 14-2212

  
( Reiser                      Jenner )

**Filter application category for non-health hazardous dusts**

L

**Nominal vacuum intake system**

4 mbar

**Intake system nominal volumetric flow**

45 l/s

**Unit vibrations (ISO 5349)****Upper limbs**

0,4 m/s<sup>2</sup>

**Ambient conditions****Temperature**

-5 - +40°C

**Air humidity, non-dew developing**

0-90%

**Noise emission**

Sound pressure level  
(EN 60704-1)

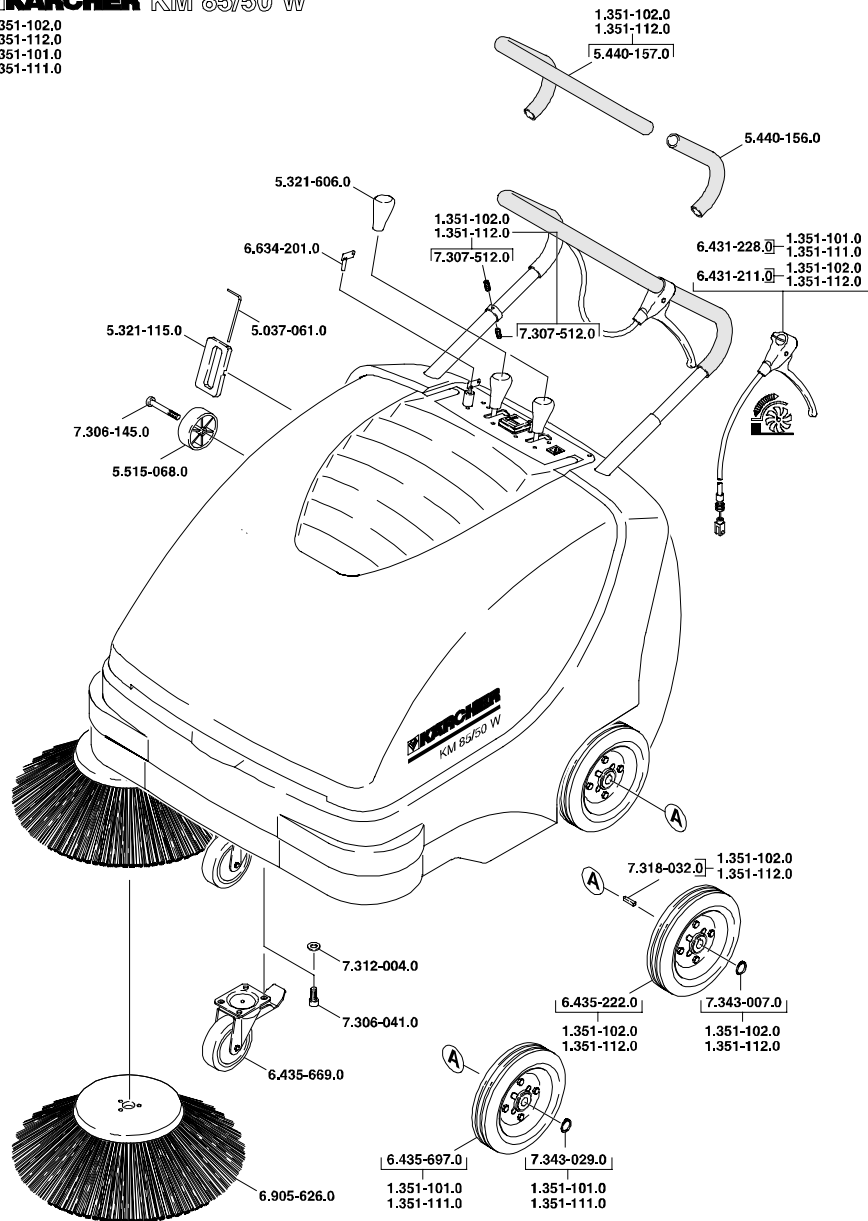
66 dB(A)

Guaranteed sound  
power level  
level (2000/14/EU)

83 dB(A)

**KÄRCHER** KM 85/50 W

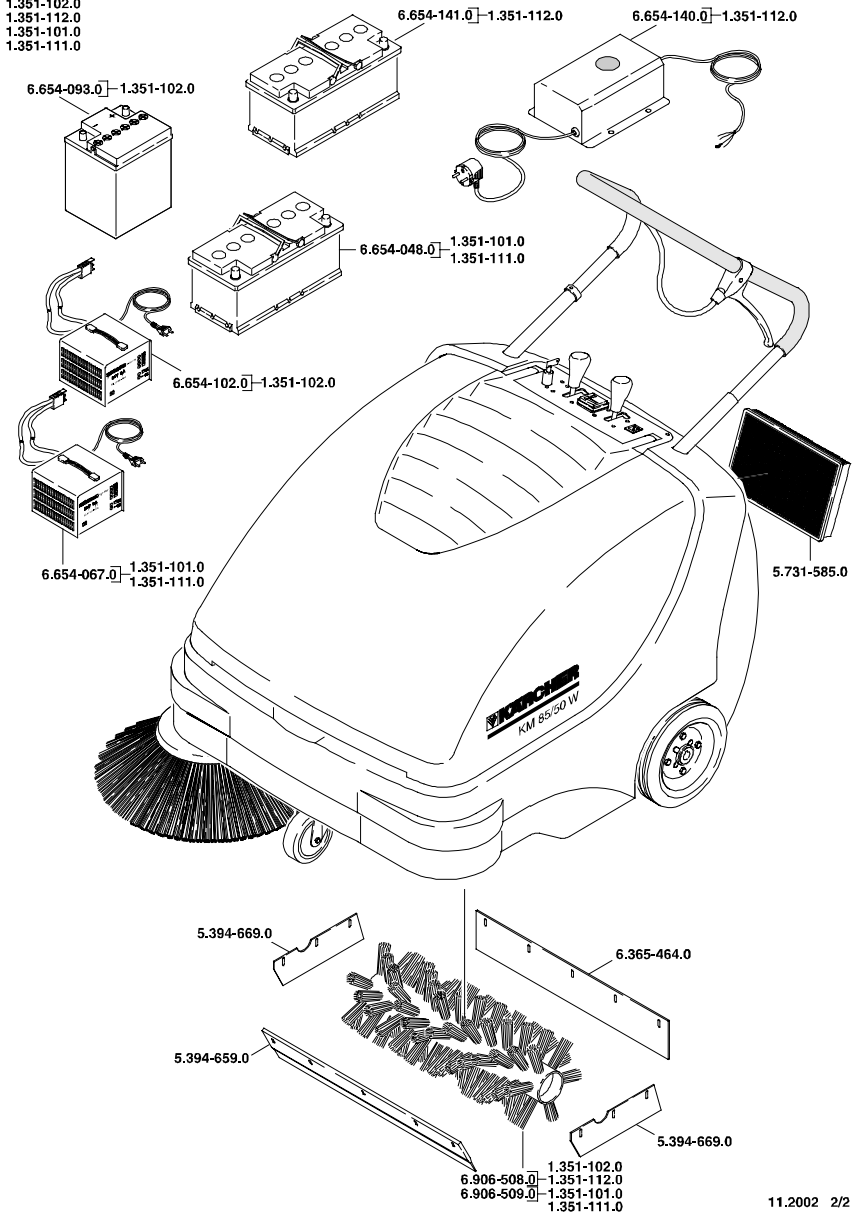
1.351-102.0  
1.351-112.0  
1.351-101.0  
1.351-111.0



11.2002 1/2

**KÄRCHER** KM 85/50 W

1.351-102.0  
1.351-112.0  
1.351-101.0  
1.351-111.0



11.2002 2/2